

WE CLAIM:

1. A system for restricting a getter, comprising in combination:

a getter located in a getter well; and

a hole located substantially between the getter well and a cavity.
2. The system of Claim 1, wherein the getter is composed of a barium alloy.
3. The system of Claim 1, wherein the getter substantially removes non-inert gases from the cavity.
4. The system of Claim 1, wherein the getter well is located in a gyroscope block.
5. The system of Claim 1, wherein the getter well is located in a gas discharge device.
6. The system of Claim 1, wherein a snap ring holds the getter in the getter well.
7. The system of Claim 1, wherein the hole is substantially 0.020 inches in diameter and 0.170 inches long.

8. The system of Claim 1, wherein the hole substantially limits the flow of gases between the getter well and the cavity.

9. A system for restricting a getter, comprising in combination:

a getter composed of a barium alloy located in a getter well, wherein the getter well is located in a gyroscope block, wherein the getter substantially removes non-inert gases from a cavity, wherein a snap ring holds the getter in the
5 getter well; and

a hole located substantially between the getter well and the cavity, wherein the hole is substantially 0.020 inches in diameter and 0.170 inches long, wherein the hole substantially limits the flow of gases between the getter well and the cavity.

10. A method for restricting a getter comprising inserting a getter into a getter well and drilling a hole substantially between the getter well and a cavity.

11. The method of Claim 10, wherein the hole is substantially 0.020 inches in diameter and 0.170 inches long.

12. The method of Claim 10, wherein the hole substantially limits the flow of gases between the getter well and the cavity.

13. A system for restricting a getter, comprising in combination:
 - a getter located in a getter well; and
 - a disk substantially separating the getter well from a cavity.
14. The system of Claim 13, wherein the getter is composed of a barium alloy.
15. The system of Claim 13, wherein the getter substantially removes non-inert gases from the cavity.
16. The system of Claim 13, wherein the disk is composed of glass.
17. The system of Claim 16, wherein the glass is Zerodur.
18. The system of Claim 13, wherein the disk substantially limits gas flow between the getter well and the cavity.
19. The system of Claim 13, wherein a seal substantially holds the disk between the getter well and the cavity.
20. The system of Claim 19, wherein the seal is composed of indium.
21. The system of Claim 13, wherein a snap ring holds the getter in the getter well.

22. A system for restricting a getter, comprising in combination:

a getter composed of a barium alloy located in a getter well, wherein the getter substantially removes non-inert gases from a cavity, wherein a snap ring holds the getter in the getter well; and

5 a disk composed of Zerodur substantially separating the getter well from the cavity, wherein the disk substantially limits gas flow between the getter well and the cavity, wherein an indium seal substantially holds the disk between the getter well and the cavity.

23. A method for restricting a getter comprising inserting a getter into a getter well and placing a disk substantially between the getter well and a cavity.

24. The method of Claim 23, further comprising placing a seal substantially between the getter well and the disk.

25. The method of Claim 24, wherein the seal is composed of indium.

26. The method of Claim 23, wherein the disk substantially limits gas flow between the getter well and the cavity.

27. A system for restricting a getter, comprising a diffusion barrier substantially

covering the getter, wherein the diffusion barrier substantially reduces a rate at which the getter absorbs non-inert gases.

28. The system of Claim 27, wherein the getter is composed of a barium alloy.

29. The system of Claim 27, wherein the getter substantially removes non-inert gases from a cavity.

30. The system of Claim 27, wherein the diffusion barrier is composed of barium nitride.

31. A system for restricting a getter, comprising a diffusion barrier substantially covering the getter, wherein the getter is composed of a barium alloy, wherein the getter substantially removes non-inert gases from a cavity, wherein the diffusion barrier is composed of barium nitride, and wherein the diffusion barrier substantially reduces a rate
5 in which the getter absorbs non-inert gases.

32. A method for restricting a getter, comprising forming a diffusion barrier on a getter material.

33. The method of Claim 32, wherein the diffusion barrier is formed by a chemical reaction between the getter material and a gas.

34. The method of Claim 33, wherein the gas is nitrogen.